

WHAT IS CLAIMED IS:

1. A stent tissue graft prosthesis comprising:
 - a first expandable stent having a tubular wall and a passage extending longitudinally therethrough,
 - 5 a tissue graft disposed on said first stent, and
 - a tubular member having a wall and a passage extending longitudinally therethrough, said tubular member being disposed over said tissue graft and around said first stent and retaining said tissue graft disposed on said first stent.
- 10 2. The prosthesis of claim 1, wherein said first stent has a first distal stent end and a first proximal stent end, wherein said tissue graft has a distal graft end and a proximal graft end, each of which is disposed on said first stent and at most up to and including at least one of said first distal and said first proximal stent ends, respectively.
- 15 3. The prosthesis of claim 1, wherein said tissue graft includes at least one seamless tube of tissue.
4. The prosthesis of claim 1, wherein said tissue graft includes a multilayered tissue construct.
5. The prosthesis of claim 4, wherein said multilayered construct includes
20 a sheet of tissue.
6. The prosthesis of claim 1, wherein said tissue graft includes an extracellular matrix material.
7. The prosthesis of claim 6, wherein said tissue graft includes small intestine submucosa.

8. The prosthesis of claim 4, wherein said multilayered tissue construct includes a plurality of laminated tissue layers ranging from two to six layers.
- 5 9. The prosthesis of claim 1, wherein said first expandable stent is a self-expanding, a balloon expandable stent or a combination self-expanding and balloon expandable stent.
- 10 10. The prosthesis of claim 1, wherein said first expandable stent has a plurality of circumferential segments and a plurality of tie bars longitudinally interconnecting said plurality of circumferential segments.
11. The prosthesis of claim 1, wherein said tubular member comprises a second expandable stent that is self-expanding, balloon expandable or a combination of both.
- 15 12. The prosthesis of claim 11, wherein each of said first and said second stents has an inside diameter and an outside diameter and wherein said first stent in a relaxed condition has an outside diameter less than an inside diameter of said second stent in a relaxed condition.
13. The prosthesis of claim 1, wherein said tubular member comprises a perforated polymer material.
- 20 14. The prosthesis of claim 1, wherein said tubular member is disposed completely over said tissue graft.
15. The prosthesis of claim 1, wherein at least one end of said first stent extends beyond at least one end of said tissue graft.

16. The prosthesis of claim 10, wherein selected of said circumferential segments includes a serpentine or zigzag pattern of straight struts interconnected by a plurality of bends.
17. The prosthesis of claim 11, wherein said first stent in a relaxed condition has an outside diameter greater than an inside diameter of said second stent in a relaxed condition.
18. The prosthesis of claim 11, wherein said first and said second stents in a relaxed condition have equivalent inside and outside diameters.
19. The prosthesis of claim 4, wherein said multilayered tissue construct includes a plurality of seamless tubes of juvenile porcine small intestine submucosa tissue and at least one sheet of mature porcine small intestine submucosa tissue.
20. A stent tissue graft prosthesis comprising:
a first expandable stent having a tubular wall and a passage extending longitudinally therethrough,
a multilayered tissue graft construct having a tubular wall and a passage extending longitudinally therethrough and disposed on said first stent, and
a second expandable stent having a tubular wall and a passage extending longitudinally therethrough, said second stent being disposed over and around said construct and said first stent, and retaining said construct disposed on said first stent.